BUCKEYE CARIBBEAN TERMINALS, LLC

Celebrating 125 Years of Service
1886 - 2011

Carretera 901 Km 2.7
Bo Camino Nuevo
P.O. Box 186
Yabucoa, Puerto Rico 00767-0186
Tel (787) 893-2424
Fax (787) 893-3111

May 19, 2011

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Jeff Gratz
Chief, Clean Water Regulatory Branch, 24th Floor
Division of Environmental Planning and Protection
U.S. Environmental Protection Agency, Region 2
290 Broadway
New York, New York 10007-1866

RE: NPDES Permit Application
Buckeye Caribbean Terminals LLC.
Yabucoa, Puerto Rico

Dear Mr. Gratz:

Enclosed please find the NPDES Permit Application for the Buckeye Caribbean Terminals LLC (Buckeye) petroleum bulk discharge terminal located at State Road 901, Km. 2.7, Yabucoa, Puerto Rico. The NPDES permit application is for the discharges from Outfalls 001 and 002 to navigable waters of the United States, as described in the permit application and the Explanatory Memorandum herein included. The NPDES permit application is submitted pursuant to Ordered Provision 5 of the Administrative Compliance Order (ACO) CWA-02-2011-3110. According to Mr. José Rivera's electronic mail of May 9, 2011 (10:21 AM), the dead line to submit the NPDES permit application is May 20, 2011. Buckeye continues to discharge from Outfall 001 and 002 into navigable waters of the United States under the provisions of NPDES Permit PR0000400 as stated in the ACO.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Cordially,

Hans Rutzen
Operations Director
Buckeye Caribbean Terminals LLC

Enclosure

c: Mr. Roberto Ayala
Director, Water Quality Area
Environmental Quality Board
P.O. Box 11488
San Juan, Puerto Rico 00910

Ms. Teresita Rodríguez
Chief, Multimedia Permits and Compliance Branch
Caribbean Environmental Protection Agency, Region 2
Centro Europa Building, Suite 417
1492 Ponce de León Avenue
San Juan, Puerto Rico 00907-4127

Attachment List

Attachment 1	Explanatory Memorandum
Attachment 2	Form 1
Attachment 3	Form 2C for Outfall 001
Attachment 4	Form 2F for Outfall 001
Attachment 5	Form 2F for Outfall 002
Attachment 6	Site Diagrams
Attachment 7	Treatment Units
Attachment 8	Water Balance
Attachment 9	Validation Mixing Zone
Attachment 10	SWPPP
Attachment 11	CD Progress Report
Attachment 12	Water Consent Decree

ATTACHMENT 1

Buckeye Caribbean Terminals LLC
Yabucoa, Puerto Rico
NPPES Permit Application
NPDES Permit PR 0000400
Attachment 1 - Explanatory Memorandum

On December 10, 2010, Buckeye Caribbean Holding Limited acquired from Shell Caribbean Investment Limited all share of stocks of Shell Chemical Yabucoa, Inc. (a corporation organized under the Puerto Rico Corporations Law). Upon the acquisition of the stocks, that same day, the corporate name of Shell Chemical Yabucoa, Inc. was changed to Buckeye Caribbean Terminal, Inc. Subsequently, on December 17, 2010, pursuant to Article 19 of the Puerto Rico Corporations Law, Buckeye Caribbean Terminals, Inc. filed for a conversion into a limited liability corporation (Buckeye Caribbean Terminals LLC), which conversion was effective on January 2, 2011.

Buckeye Caribbean Terminals LLC (Buckeye) operates a Petroleum Bulk Storage Terminal (PBST) complex located at State Road No. 901, Km 2.7, Yabucoa, Puerto Rico. As such, it leases fuel storage capacity, and receives customers' imports of fuel components and finished fuel products for blending and sale of gasoline, diesel, jet fuel, kerosene, and fuel oil to the Puerto Rico and regional markets. The facility has the capability to also receive, load and store crude oil. Products handled at the PBST are typically received by marine vessel at the terminal loading docks. A small volume of product is delivered to the PBST by cargo truck. Product is transferred via product piping from the marine vessel at the vessel dock or from cargo trucks, to bulk aboveground tanks located within the Terminal Tank Farm. The PBST operates a Tank Farm, two Docks (The marine dock and the barge dock), a truck loading rack and wastewater treatment units. The Facility has a total storage capacity of 4,624,862 Bbls with an average storage volume of 2,857,178 barrels. Average daily throughput is approximately 70,000 barrels per day. The capacity of the largest tank is 315,000 Bbls. It is Buckeye's intent to supply all their customers' products from the truck loading rack and dock facilities in Puerto Rico.

The marine dock operates 24 hours per day, 7 days per week. This dock is equipped with one tanker dock, one barge dock, and one tug dock. The tanker dock is equipped with eight (8) marine steel loading arms used to load/unload product from marine vessels. The barge dock is equipped with two (2) steel loading arms used to load/unload product from marine barges.

Product transfers are mainly made via the Tank Farm tanks to the Truck Loading Rack, where the products are loaded into tank trucks to be transported. The loading rack is used for loading gasoline with a vacuum assisted vapor recovery. It can also be used to load heavier products, such as diesel fuel, kerosene, jet fuel, and fuel oils.

The refinery process units were shutdown in July 2008. The units were de-inventoried, decontaminated with nitrogen, steamed and watered preserved (mothballed) after the

shutdown event. The refinery will be removed (either demolished or dismantled) within the next 3 to 5 years.

Treated Discharges from Outfall 001

Due to the overall layout of the facility and the distance between the closed refinery and the Tank Farm, about one mile apart there are two Wastewater Treatment Facilities (WWTFs); one is located in the closed refinery area and the other at the Tank Farm. The If we are to include the additional discharges WWTF located at the closed refinery is in operation and is treating storm waters from the contact areas of the closed refinery, sanitary wastewaters and other discharges such as condensate from air conditioning units, waters from site housekeeping activities, surface water infiltration from Quebrada Lajas and Caño Santiago, wash waters from paved areas clearing activities, covered under current NPDES Permit PR0000400. To process the contact storm water that fall over the shutdown refinery foot print, the waste water treatment unit in the refinery area incorporates primary treatment for oil recovery with a 3-Cells API Separator, and secondary treatment facilities which includes biological treatment of waters in a complete mixing activated sludge system. The stream coming from the biological treatment passes through a clarifier unit for further separation of solids and organic materials. Clarified water effluent mixes with effluent water from a sanitary process unit (DAVCO) and discharge into the Tank Farm Fire Basin. Water drained from the storage tanks in the tank farm area is routed to the 3-Cells API Separator for treatment through the secondary treatment facility.

The Tank Farm area is divided in two sections (east and west corridors). Both corridors are equipped with a dedicated 2-Cells API separator used to manage storm water collected in the dikes. Storm waters from both separators are pumped to a depurator unit (WEMCO) which employs mechanically –induced air flotation to separate solids, oils or organic materials from the stream. From the WEMCO unit, treated storm water is pumped to the Ballast Basin and then to the Fire Water Basin. The treated storm waters in the Fire Basin are combined with the effluent from the Plant treated water which overflows to the Outfall Basin. Samples are collected at outfall 001 authorized discharge sample point for analysis according to the NPDES permit PR0000400. The treated waters are then discharged to the Caribbean Sea through the authorized outfall 001 pipeline to an interim mixing zone approved in NPDES Permit 0000400 and validated in 2006.

This operation includes storm waters runoff and storage tank water drains, therefore for Outfall 001 Buckeye is submitting NPDES Form 1 (Attachment 2), Form 2C for the tank water drains (Attachment 3), and Form 2F for storm waters runoff (Attachment 4).

Discharges from Outfall 002

Storm water runoffs from the non contact areas are collected in a Flood Control Pond (FCP). Storm waters reach the FCP through two distinct channels: the west and the east channels. Storm waters in the FCP can be pumped into the wastewater treatment plant or

discharged through authorized Outfall 002. Outfall 002 only discharges non contact Storm water runoffs; hence Buckeye is submitting a 2F form. (Attachment 5).

Planned Changes during the Next Three Years

To the best of our knowledge, Buckeye does not have any projected or planned changes to the terminal operations that would change the characterization of the effluents of these operations for the next three years (2011-2012, 2012-2013, and 2013-2014).

Pursuant to Consent Decree (Civil Action Case No. 3:10-cv-1268) entered into in the case United States of America v. Shell Chemical Yabucoa, Inc., the refinery process units and their associated emissions units at the refinery has been shut down and shall not operate nor restart any refinery process units or associated emission units at the refinery. Buckeye will not operate or restart the operations of the refinery. Shell has informed Buckeye that is currently planning to conduct the following activities at the refinery:

1) Commence and conduct dismantlement of the refinery process units
   - Asbestos, Lead, Product, and Waste Characterization and Abatement activities
   - Dismantle and Demolition
     Recycling and Salvage Tanks, Process Units, Underground Sewer System, Wastewater Treatment Systems, Concrete Pads
2) Commence closure of the RCRA Storage Area
3) Refinery Footprint Soil Management
   - Soil Characterization (Process Area)
   - Corrective Actions, as necessary
4) Commence refinery Waste Water Treatment Plant Closure
5) Conduct Site Grading for Drainage

The closed refinery units will be removed within 3 to 5 years. The WWTF located at the refinery will remain in operation until the activities associated to the removal of the closed refinery are completed.

Mixing Zone

Permit PR0000400 had included an approved interim mixing zone pursuant Article 5 of the Environmental Quality Board Water Quality Standards Regulation. The Interim Mixing Zone is defined for Dissolved Oxygen, Color, Cadmium, Copper, Fluoride, Lead, Manganese, Nitrogen, pH, Phenolic Compounds, Selenium, Silver and Zinc. The Interim mixing zone validation study (see Attachment 11) was submitted to EPA and EQB on August 2006. Buckeye requests that this interim mixing zone be maintained for the same parameters approved in NPDES Permit 0000400.

The Interim mixing zone is delineated by the following points:

Point	Coordinates		Water Depth (ft)
1	18 03.0722 N	65 49.3994 W	21
2	18 03.0160 N	65 49.3273 W	22
3	18 03.0507 N	65 49.4176 W	22
4	18 02.9946 N	65 49.3456 W	24
Background	18 03.1264 N	65 49.3922 W	19

Olein's Recovery Corporation Storm Waters (Olein)

The current permit PR0000400 states that wastewater stream of treated equipment and floor washings, condensate from a steam boiler and an air compressor and sanitary sewage originating from the Hemisphere Oil Company are allowed to be discharged to Outfall 001. Hemisphere, a company owned by Texaco, ceased operations. The Once Hemisphere facility is now operated by Olein Recovery Corporation (Olein). Olein processes and recycles used oil. Olein has no corporate or contract relation with Buckeye. Buckeye does not receive or treat process wastewaters from Olein. Olein operates an industrially developed parcel and its storm waters and certain waste water discharges through two pipes are directed to Buckeye's parcel. Olein's storm water discharge is non compliant with EPA storm water regulations and adversely impacts Buckeye's storm waters as well as its NPDES Permit PR0000400 Outfall 001 regulated discharge. Buckeye moves EPA to intervene to require Olein to comply with storm water regulations and to redirect or eliminate the two pipes so that Olein's storm waters and the wastewaters discharged from the pipes do not enter or adversely impact Buckeye's property. Olein's storm waters and the waste waters from the pipes are not included in Buckeye's NPDES permit application property. EPA's intervention in this matter is of utmost importance.

Additional Sources of Non Storm Waters That Comprise the Discharge from Outfalls 001 and 002 (Allowable Non-Storm Water Discharges)

The following sources of wastewaters are included in the discharges of Outfalls 001 and 002:

Discharges from fire-fighting activities;
Fire hydrant flushing;
Potable water, including water line flushing;
Uncontaminated condensate from air conditioners, coolers, and other compressors.
Landscape watering provided all pesticides and herbicides have been applied in accordance with the approved labeling;
Pavement wash waters where no detergents are used and no spills or leaks of toxic or hazardous materials have occurred (unless all spilled material has been removed);
Routine external building wash down that does not use detergents;
Foundation or footing drains where flows are not contaminated with process materials; and

Surface water infiltration from Caño Santiago and Quebrada Lajas.

These wastewaters are not process wastewaters (process wastewater is water that comes into direct contact with or results from the production or use of any raw material, intermediate product, finished product, byproduct, waste product, or wastewater) or nonprocess wastewaters (nonprocess wastewater includes noncontact cooling water and sanitary wastes which are not regulated by effluent guidelines or a new source performance standard, except discharges by educational, medical or commercial chemical laboratories), as defined in the Instructions- Form2F, Application for Permit to Discharge Storm Water Associated with Industrial Activity of the document titled "Consolidated Permits Program", United States Environmental Protection Agency, Office of Enforcement , Washington DC, EPA Form3510-2F(Rev.1-92), page I-1 , (Who must file Form 2F).

ATTACHMENT 2

Please print or type in the unshaded areas only.

Form Approved. OMB No. 2040-0086.

FORM 1 GENERAL

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER: S F - T/A C D

LABEL ITEMS

I. EPA I.D. NUMBER

III. FACILITY NAME

V. FACILITY MAILING ADDRESS

VI. FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent *(the area to the left of the label space lists the information that should appear)*, please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete Items I, III, V, and VI *(except VI-B which must be completed regardless)*. Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of **bold-faced terms**.

SPECIFIC QUESTIONS	Mark "X" YES	NO	FORM ATTACHED	SPECIFIC QUESTIONS	Mark "X" YES	NO	FORM ATTACHED
A. Is this facility a **publicly owned treatment works** which results in a **discharge** to **waters of the U.S.**? (FORM 2A)		X		B. Does or will this facility *(either existing or proposed)* include a **concentrated animal feeding operation** or **aquatic animal production facility** which results in a **discharge** to **waters of the U.S.**? (FORM 2B)		X	
	16	17	18		19	20	21
C. Is this a facility which currently results in **discharges** to **waters of the U.S.** other than those described in A or B above? (FORM 2C)	X		X	D. Is this a proposed facility *(other than those described in A or B above)* which will result in a **discharge** to **waters of the U.S.**? (FORM 2D)		X	
	22	23	24		25	26	27
E. Does or will this facility treat, store, or dispose of **hazardous wastes**? (FORM 3) Facility has RCRA Permit # PRD0090074-071	X			F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
	28	29	30		31	32	33
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
	34	35	36		37	38	39
I. Is this facility a proposed **stationary source** which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed **stationary source** which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area**? (FORM 5)		X	
	40	41	42		43	44	45

III. NAME OF FACILITY

1 SKIP: Buckeye Caribbean Terminals LLC

IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*: 2 Mr. Hans Rutzen, Operations Director

B. PHONE *(area code & no.)*: (787) 893-2424

V. FACILTY MAILING ADDRESS

A. STREET OR P.O. BOX: 3 PO Box 186

B. CITY OR TOWN: 4 Yabucoa

C. STATE: PR

D. ZIP CODE: 00767

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER: 5 State Road 901 Km. 2.7

B. COUNTY NAME:

C. CITY OR TOWN: 6 Yabucoa

D. STATE: PR

E. ZIP CODE: 00767

F. COUNTY CODE *(if known)*:

CONTINUED FROM THE FRONT

VII. SIC CODES *(4-digit, in order of priority)*

A. FIRST	B. SECOND
7 5171 *(specify)* Petroleum Bulk Storage Terminal	7 *(specify)*
C. THIRD	**D. FOURTH**
7 *(specify)*	7 *(specify)*

VIII. OPERATOR INFORMATION

A. NAME

8 Buckeye Caribbean Terminals LLC

B. Is the name listed in Item VIII-A also the owner? ☑ YES ☐ NO

C. STATUS OF OPERATOR *(Enter the appropriate letter into the answer box: if "Other," specify.)*

F = FEDERAL
S = STATE
P = PRIVATE
M = PUBLIC *(other than federal or state)*
O = OTHER *(specify)*

P *(specify)*

D. PHONE *(area code & no.)*

A (787) 893-2424

E. STREET OR P.O. BOX

PO Box 186

F. CITY OR TOWN

B Yabucoa

G. STATE PR

H. ZIP CODE 00767

IX. INDIAN LAND

Is the facility located on Indian lands? ☐ YES ☑ NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES *(Discharges to Surface Water)*

9 N PR0000400

D. PSD *(Air Emissions from Proposed Sources)*

9 P

B. UIC *(Underground Injection of Fluids)*

9 U

E. OTHER *(specify)*

9 *(specify)* See Attached List

C. RCRA *(Hazardous Wastes)*

9 R PRD090074071

E. OTHER *(specify)*

9 *(specify)*

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers, and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS *(provide a brief description)*

Buckeye Caribbean Terminals LLC operates a Petroleum Bulk Storage Terminal that receives petroleum products by ship, stores them in aboveground storage tanks, add dyes and other additives, and distribute them via trucks around the Island. The terminal and its tanks are only used to store petroleum products, including regular and premium gasoline, jet fuel, ultra low sulfur diesel, fuel oil no.6, and gasoline blend stock.
The refinery has been shutdown since July, 2008 and it will be removed within the next 3 to 5 years.

For additional details refer to Attachment 1.

XIII. CERTIFICATION *(see instructions)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE *(type or print)*	B. SIGNATURE	C. DATE SIGNED
Hans Rutzen Operations Manager		20/MAY/2011

COMMENTS FOR OFFICIAL USE ONLY

C

Buckeye Caribbean Terminals LLC
Permits and Licenses for the Facility

Permit or Authorization	Permit ID Number	Issuing Agency / Comments
NPDES	PR 0000400	Environmental Protection Agency (EPA)
RCRA Hazardous Waste Management Permit	PRD0090074-071	Environmental Protection Agency (EPA)
Hazardous Waste Generator	PRD090074-071	Environmental Protection Agency (EPA)
Radio Licenses	KLB 281 KRK 797 WQT 697	Federal Communications Commission (FCC)
Hazardous Material Certificate Registration	Reg. No.: 051010 555 065 ST	Department of Transportation (DOT)
Title V Application	PFE-TV-2911-77-0397-0025	Environmental Quality Board (EQB)
Air Emission Sources Operation Permits	PFE-77-1288-0987-I-II-O PFE-RH-77-0602-0021-I-C PFE-RH-77-0402-0614-I-C	Environmental Quality Board (EQB)
Asbestos Management Permit	PG-ASB-77-0709-0083-RC	Environmental Quality Board (EQB)
Vested Water Rights	Application 27 (FN-0804) RO-11-03-02-TRA-70049	Department of Natural and Environmental Resources (DNER)
Used Oil Permit	AU-97-77-0097 RM	Environmental Quality Board (EQB)
Use Permit	151710	Administración de Reglamentos y Permisos (ARPE)
Recycling Plan	PRSP-039	Environmental Quality Board (EQB)

ATTACHMENT 3

Please print or type in the unshaded areas only.

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)
PR0000400

Form Approved.
OMB No. 2040-0086.
Approval expires 3-31-98.

FORM **2C** NPDES

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURE OPERATIONS
Consolidated Permits Program

I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER (*list*)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (*name*)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
001	18.00	3.00	1.00	65.00	49.00	21.00	Caribbean Sea

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (*e.g., for certain mining activities*), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

1. OUTFALL NO. (*list*)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	a. OPERATION (*list*)	b. AVERAGE FLOW (*include units*)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
001	Water Drains from Tanks	0.0005 MGD	API Gravity Separators: @0.79MGD 21.1 h RT	1-M	
			2 Cell Unit: 75 ft L 35 ft W @0.40MGD 11.8 h Residence Time (RT)		
			3 Cell Unit: 150 ft L 62 ft W	1-M	
001	Storm water runoff from contact	0.098 MGD	2 Equalization Tanks @ 90 ft diameter each 0.06 MGD/each Residence Time 57.1 h	3-E	
	areas of closed refinery		2 Activated Sludge Treatment Basins 255 ft L 80 ft W per unit, 0.60 MGD 61 h RT	3-A	
	Allowable non-storm water discharges		Clarifier 80 ft diameter 1.19 MGD, 7.6 h Retention Time	1-H	
			Outfall Discharge basin 275 ft L 100 ft W 1.29 MGD 38.3h Residence Time	4-B	
001	Accumulated Runoff from	0.057400 MGD	Ocean Discharge: 374 ft pipeline to Caribbean Sea		
	Flood Control Pond		Sludge Management: Aerobic Digestion 280 ft L 85 ft W @200gpm 5 days Solids Residence Time	5-A	
			Drying Beds	5-H	
			Solids from Systems sent to Landfill	5-Q	
001	Sanitary Wastewater	0.02 MGD	Package DAVCO Treatment Plant: Grinding and Communition.	1-L	
			Activated Sludge	3-A	2-F
			28 ft L 11 ft W 0.02 MGD w/ disinfection 14.7 h RT		
			Discharge to Outfall Basin		
001	Contact Storm Runoff from Tank Farm	0.360 MGD	API Separator:		
	and Dock Area		East 79 ft L 21 ft W 0.05 MGD 59.6h RT West 79 ft L 21 ft W 0.05 MGD 59.6h RT	1-M	
			Induced Air Flotation 0.11 MGD 24.5 h RT Ballast Basin 275' X 185'	1-H	
001	WWTP Effluents	0.536 MGD	Fire Water Basin 265 ft L 185 ft W 1.29 MGD 68.2 h RT	1-H	
	(All of the Above)		Outfall Basin 275 ft L 100 ft W 1.29 MGD 38.3	4-B	
			Ocean Discharge through Outfall		
			[for more details refer to process flow diagram included for the listed equipment)		

OFFICIAL USE ONLY (*effluent guidelines sub-categories*)

CONTINUED FROM THE FRONT

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?

☐ YES (*complete the following table*) ☑ NO (*go to Section III*)

1. OUTFALL NUMBER (*list*)	2. OPERATION(s) CONTRIBUTING FLOW (*list*)	3. FREQUENCY		4. FLOW				
		a. DAYS PER WEEK (*specify average*)	b. MONTHS PER YEAR (*specify average*)	a. FLOW RATE (*in mgd*)		B. TOTAL VOLUME (*specify with units*)		C. DURATION (*in days*)
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	

III. PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

☐ YES (*complete Item III-B*) ☑ NO (*go to Section IV*)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (*or other measure of operation*)?

☐ YES (*complete Item III-C*) ☑ NO (*go to Section IV*)

C. If you answered "yes" to Item III-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (*list outfall numbers*)
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (*specify*)	

IV. IMPROVEMENTS

A. Are you now required by any Federal, State or local authority to meet any implementation schedule for the construction, upgrading or operations of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

☑ YES (*complete the following table*) ☐ NO (*go to Item IV-B*)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. REQUIRED	b. PROJECTED
Refer to Consent Decree in Attachment 12.			Improvements have been completed. The most recent progress report is included as Attachment 11.		

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (*or other environmental projects which may affect your discharges*) you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.

☐ MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAMS IS ATTACHED

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)
PR0000400

CONTINUED FROM PAGE 2

V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding – Complete one set of tables for each outfall – Annotate the outfall number in the space provided. NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

D. Use the space below to list any of the pollutants listed in Table 2c-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

Is any pollutant listed in Item V-C a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

☐ YES (*list all such pollutants below*) ☑ NO (*go to Item VI-B*)

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ YES (*identify the test(s) and describe their purposes below*) ☑ NO (*go to Section VIII*)

Within the last three years no toxicity test have been performed. However, on 2006 several validation studies and benthic and toxicological evaluations were made as part of the validation of the Interim Mixing Zone of Permit PR0000400. These interim studies have been submitted to EQB and EPA for approval. Refer to Attachment 9 for the validation report.

VIII. CONTRACT ANALYSIS INFORMATION

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

☑ YES (*list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below*) ☐ NO (*go to Section IX*)

A. NAME	B. ADDRESS	C. TELEPHONE (*area code & no.*)	D. POLLUTANTS ANALYZED (*list*)
Environmental Quality Laboratories	PO Box 11485 San Juan PR 00910-1485	(787)288-6420	All parameters included on this permit application.

IX. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. NAME & OFFICIAL TITLE (*type or print*)	B. PHONE NO. (*area code & no.*)
Mr. Hans Rutzen, Operations Director	(787) 893-2424
C. SIGNATURE	D. DATE SIGNED
	20/MAY/2011

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (*use the same format*) instead of completing these pages.
SEE INSTRUCTIONS.

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued from page 3 of Form 2-C)*

OUTFALL NO. 001

PART A –You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						3. UNITS (*specify if blank*)		4. INTAKE (*optional*)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (*BOD*)	8						1	mg/l				
b. Chemical Oxygen Demand (*COD*)	60						1	mg/l				
c. Total Organic Carbon (*TOC*)	22.8						1	mg/l				
d. Total Suspended Solids (*TSS*)	13.2						1	mg/l				
e. Ammonia (*as N*)	0.06						1	mg/l				
f. Flow	VALUE 0.288		VALUE		VALUE		1	MGD		VALUE		
g. Temperature (*winter*)	VALUE 25.4		VALUE		VALUE		1	°C		VALUE		
h. Temperature (*summer*)	VALUE 25.4		VALUE		VALUE		1	°C		VALUE		
i. pH	MINIMUM 8.5	MAXIMUM 8.5	MINIMUM	MAXIMUM			1	STANDARD UNITS				

PART B – Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (*if available*)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		X												
b. Chlorine, Total Residual	X		< 0.01						1	mg/l *				
c. Color	X		40						1	PtCo				
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)	X		0.511						1	mg/L				
f. Nitrate-Nitrite (*as N*)	X		0.15						1	mg/L				

* below detection level
** not detectable

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X		0.90						1	mg/l				
h. Oil and Grease	X		1.90						1	mg/l				
i. Phosphorus (as P), Total (7723-14-0)		X	0.133						1	mg/l				
j. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO_4) (14808-79-8)		X												
l. Sulfide (as S)	X		<0.002						1	mg/l *				
m. Sulfite (as SO_3) (14265-45-3)		X												
n. Surfactants		X												
o. Aluminum, Total (7429-90-5)		X												
p. Barium, Total (7440-39-3)		X												
q. Boron, Total (7440-42-8)	X		0.26						1	mg/l				
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)		X												
t. Magnesium, Total (7439-95-4)		X												
u. Molybdenum, Total (7439-98-7)		X												
v. Manganese, Total (7439-96-5)	X		0.104						1	mg/l				
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

* below detection level
** not detectable

CONTINUE ON PAGE V-3

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)	OUTFALL NUMBER
PR0000400	001

CONTINUED FROM PAGE 3 OF FORM 2-C

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (*secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions*), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (*all 7 pages*) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (*if available*) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (*if available*) (2) MASS	c. LONG TERM AVRG. VALUE (*if available*) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (*if available*) (2) MASS	d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)		X		<0.009						1	mg/l *				
2M. Arsenic, Total (7440-38-2)		X		0.0013						1	mg/l				
3M. Beryllium, Total (7440-41-7)			X												
4M. Cadmium, Total (7440-43-9)		X		<0.002						1	mg/l*				
5M. Chromium, Total (7440-47-3)		X		<0.002						1	mg/l				
6M. Copper, Total (7440-50-8)		X		<0.005						1	mg/l *				
7M. Lead, Total (7439-92-1)		X		<0.0008						1	mg/l *				
8M. Mercury, Total (7439-97-6)		X		0.0127						1	mg/l				
9M. Nickel, Total (7440-02-0)		X		0.0088						1	mg/l				
10M. Selenium, Total (7782-49-2)		X		<0.001						1	mg/l *				
11M. Silver, Total (7440-22-4)		X		<0.002						1	mg/l *				
12M. Thallium, Total (7440-28-0)		X		<0.001						1	mg/l *				
13M. Zinc, Total (7440-66-6)		X		<0.005						1	mg/l *				
14M. Cyanide, Total (57-12-5)		X		0.0012						1	mg/l				
15M. Phenols, Total		X		0.012						1	mg/l				
DIOXIN															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS											

* below detection level
** not detectable

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Accrolein (107-02-8)			X												
2V. Acrylonitrile (107-13-1)			X												
3V. Benzene (71-43-2)		X		<0.3						1	ug/l **				
4V. Bis (*Chloromethyl*) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)			X												
6V. Carbon Tetrachloride (56-23-5)			X												
7V. Chlorobenzene (108-90-7)			X												
8V. Chlorodibromomethane (124-48-1)			X												
9V. Chloroethane (75-00-3)			X												
10V. 2-Chloroethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X												
12V. Dichlorobromomethane (75-27-4)			X												
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)			X												
15V. 1,2-Dichloroethane (107-06-2)			X												
16V. 1,1-Dichloroethylene (75-35-4)			X												
17V. 1,2-Dichloropropane (78-87-5)			X												
18V. 1,3-Dichloropropylene (542-75-6)			X												
19V. Ethylbenzene (100-41-4)		X		<0.2						1	ug/l **				
20V. Methyl Bromide (74-83-9)			X												
21V. Methyl Chloride (74-87-3)			X												

* below detection level
** not detectable

CONTINUE ON PAGE V-5

CONTINUED FROM PAGE V-4

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS (*continued*)															
22V. Methylene Chloride (75-09-2)			X												
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X												
24V. Tetrachloro-ethylene (127-18-4)			X												
25V. Toluene (108-88-3)		X		<0.3						1	ug/l **				
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X												
27V. 1,1,1-Trichloro-ethane (71-55-6)			X												
28V. 1,1,2-Trichloro-ethane (79-00-5)			X												
29V Trichloro-ethylene (79-01-6)			X												
30V. Trichloro-fluoromethane (75-69-4)			X												
31V. Vinyl Chloride (75-01-4)			X												
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			X												
2A. 2,4-Dichloro-phenol (120-83-2)			X												
3A. 2,4-Dimethyl-phenol (105-67-9)			X												
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X												
5A. 2,4-Dinitro-phenol (51-28-5)		X		<1.2						1	ug/l **				
6A. 2-Nitrophenol (88-75-5)		X		<0.2						1	ug/l **				
7A. 4-Nitrophenol (100-02-7)		X		<1						1	ug/l **				
8A. P-Chloro-M-Cresol (59-50-7)		X		<0.2						1	ug/l **				
9A. Pentachloro-phenol (87-86-5)			X												
10A. Phenol (108-95-2)			X												
11A. 2,4,6-Trichloro-phenol (88-05-2)			X												

* below detection level
** not detectable

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			X												
2B. Acenaphtylene (208-96-8)			X												
3B. Anthracene (120-12-7)			X												
4B. Benzidine (92-87-5)			X												
5B. Benzo (*a*) Anthracene (56-55-3)		X		<0.2						1	ug/l **				
6B. Benzo (*a*) Pyrene (50-32-8)		X		<0.2						1	ug/l **				
7B. 3,4-Benzo-fluoranthene (205-99-2)			X												
8B. Benzo (*ghi*) Perylene (191-24-2)			X												
9B. Benzo (*k*) Fluoranthene (207-08-9)		X		<0.2						1	ug/l **				
10B. Bis (*2-Chloro-ethoxy*) Methane (111-91-1)			X												
11B. Bis (*2-Chloro-ethyl*) Ether (111-44-4)			X												
12B. Bis (*2-Chloroisopropyl*) Ether (102-80-1)			X												
13B. Bis (*2-Ethyl-hexyl*) Phthalate (117-81-7)			X												
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X												
15B. Butyl Benzyl Phthalate (85-68-7)			X												
16B. 2-Chloro-naphthalene (91-58-7)			X												
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)			X												
18B. Chrysene (218-01-9)			X												
19B. Dibenzo (*a,h*) Anthracene (53-70-3)		X		<0.2						1	ug/l **				
20B. 1,2-Dichloro-benzene (95-50-1)			X												
21B. 1,3-Di-chloro-benzene (541-73-1)			X												

* below detection level
** not detectable

CONTINUED FROM PAGE V-6

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (*continued*)															
22B. 1,4-Dichlorobenzene (106-46-7)			X												
23B. 3,3-Dichlorobenzidine (91-94-1)			X												
24B. Diethyl Phthalate (84-66-2)			X												
25B. Dimethyl Phthalate (131 -11-3)			X												
26B. Di-N-Butyl Phthalate (84-74-2)			X												
27B. 2,4-Dinitrotoluene (121-14-2)			X												
28B. 2,6-Dinitrotoluene (606-20-2)			X												
29B. Di-N-Octyl Phthalate (117-84-0)			X												
30B. 1,2-Diphenylhydrazine (*as Azobenzene*) (122-66-7)			X												
31B. Fluoranthene (206-44-0)			X												
32B. Fluorene (86-73-7)			X												
33B. Hexachlorobenzene (118-74-1)			X												
34B. Hexachlorobutadiene (87-68-3)			X												
35B. Hexachlorocyclopentadiene (77-47-4)			X												
36B Hexachloroethane (67-72-1)			X												
37B. Indeno (*1,2,3-cd*) Pyrene (193-39-5)			X												
38B. Isophorone (78-59-1)			X												
39B. Naphthalene (91-20-3)		X		<0.2						1	ug/l **				
40B. Nitrobenzene (98-95-3)		X		<0.2						1	ug/l **				
41B. N-Nitrosodimethylamine (62-75-9)			X												
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X												

* below detection level
** not detectable

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (*continued*)															
43B. N-Nitro-sodiphenylamine (86-30-6)			X												
44B. Phenanthrene (85-01-8)			X												
45B. Pyrene (129-00-0)			X												
46B. 1,2,4-Tri-chlorobenzene (120-82-1)			X												
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X												
2P. α-BHC (319-84-6)			X												
3P. β-BHC (319-85-7)			X												
4P. γ-BHC (58-89-9)			X												
5P. δ-BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-55-9)			X												
9P. 4,4'-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α-Enosulfan (115-29-7)			X												
12P. β-Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												

* below detection level
** not detectable

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)	OUTFALL NUMBER
PR0000400	001

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – PESTICIDES (*continued*)															
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

* below detection level
** not detectable

4

ATTACHMENT 4

Please print or type in the unshaded areas only.

EPA ID Number (*copy from Item 1 of Form 1*)
PR0000400

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

FORM **2F** NPDES

U.S. Environmental Protection Agency
Washington, DC 20460

Application for Permit to Discharge Storm Water Discharges Associated with Industrial Activity

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 28.6 hours per application, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate, any other aspect of this collection of information, or suggestions for improving this form, including suggestions which may increase or reduce this burden to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, NW, Washington, DC 20460, or Director, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

I. Outfall Location

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. Outfall Number (*list*)	B. Latitude			C. Longitude			D. Receiving Water (*name*)
001	18.00	3.00	1.00	65.00	49.00	21.00	Caribbean Sea

II. Improvements

A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

1. Identification of Conditions, Agreements, Etc.	2. Affected Outfalls		3. Brief Description of Project	4. Final Compliance Date	
	number	source of discharge		a. req.	b. proj.
Refer to Consent Decree in			Improvements have been completed. Refer		
Attchment 12.			to most recent progress report		
			(Attachment 11)		

B. You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

III. Site Drainage Map

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfalls(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage of disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which received storm water discharges from the facility.

Continued from the Front

IV. Narrative Description of Pollutant Sources

A. For each outfall, provide an estimate of the area (include units) of imperious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
001	15.9 acres (contact areas)	19.9 acres	001	18.4 acres (tank farm)	110 acres

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas, and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

Significant materials include regular and premium gasoline, jet fuel, ultra low sulfur diesel and gasoline blend stocks. Contact runoff from the closed refinery are pretreated on a three cell API separator, followed by biological treatment and discharges to an effluent basin. Runoff from the Tank Farm areas is pretreated by two API separators followed by an Induced Air Flotation unit. The effluent is stored and recycled in a Ballast Basin until discharged in the effluent basin.

A SWPPP (Attachment 10) is implemented on this site. Exposure to materials and products is minimized to avoid discharge to the runoff systems. Inspections to erosion control structures and channels is made to avoid exposure with the materials. Ocassionally waters from the Flood Control Pond (Outfall 002) can be sent to the WWTP for treatment and discharge via Outfall 001.

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
001 001	Dike areas at Tank Farm. Two API separators followed by a IAF Unit. Contact areas-Three Cell API separator, Equalization, Activate Sludge, Clarifier, Effluent Basin. More details on 2C Form (Attachment 3) and Attachment 7. The treatment units are maintained by use of and O&M program.	1H, 3A, 4B, 5H 5A

V. Nonstormwater Discharges

A. I certify under penalty of law hat the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges, and that all nonstormwater discharged from these outfall(s) are identified in either an accompanying Form 2C or From 2E application for the outfall.

Name and Official Title (type or print)	Signature	Date Signed
Hans Rutzen, Operations Director		20/MAY/2011

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

N/A

VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

No significant leaks or relaeases on the last three years.

Continued from Page 2

EPA ID Number *(copy from Item 1 of Form 1)*
PR0000400

VII. Discharge Information

A, B, C, & D: See instructions before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided.
Table VII-A, VII-B, VII-C are included on separate sheets numbers VII-1 and VII-2.

E. Potential discharges not covered by analysis – is any toxic pollutant listed in table 2F-2, 2F-3, or 2F-4, a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

☐ Yes (*list all such pollutants below*) ☑ No (*go to Section IX*)

VIII. Biological Toxicity Testing Data

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ Yes (*list all such pollutants below*) ☑ No (*go to Section IX*)

No Toxicological studies have been made since the 2006 Validation study, as indicated on Part VII of Form 2C.

IX. Contract Analysis Information

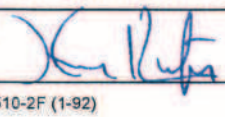
Were any of the analyses reported in Item VII performed by a contract laboratory or consulting firm?

☑ Yes (*list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below*) ☐ No (*go to Section X*)

A. Name	B. Address	C. Area Code & Phone No.	D. Pollutants Analyzed
Environmental Quality Laboratories	PO Box 11485 San Juan PR 00910-1485	(787)288-2840	All parameters on this application

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Official Title (*Type Or Print*)	B. Area Code and Phone No.
Hans Rutzen, Operations Director	(787) 893-2424
C. Signature 	D. Date Signed 20/MAY/2011

EPA ID Number (*copy from Item 1 of Form 1*)
PR0000400 - Outfall 001

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

VII. Discharge information *(Continued from page 3 of Form 2F)*

Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant and CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite		
Oil and Grease	1.90 mg/l	N/A		-	1.00	Erosion from channels and traffic
Biological Oxygen Demand (BOD5)		8 mg/l			1.00	Vegetation/Debris
Chemical Oxygen Demand (COD)		60 mg/l			1.00	Debris
Total Suspended Solids (TSS)		13.2 mg/l			1.00	Erosion from channels and traffic
Total Nitrogen		0.15 mg/l			1.00	Vegetation/Debris
Total Phosphorus		0.133 mg/l			1.00	Soil
pH	Minimum 8.50	Maximum 8.50	Minimum	Maximum	1.00	Maintenance

Part B – List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite		
						Not Applicable

Continued from the Front

Part C - List each pollutant shown in Table 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite		
58 55 3	<0.2 µg/l	<0.2 µg/l Note 1			1.00	benzoanthracene (Note 2)
207 88 9	<0.2 µg/l	<0.2 µg/l Note 1			1.00	benzofluoroanthene (Note 2)
53 70 3	<0.3 µg/l	<0.2 µg/l Note 1			1.00	dibenzofluorantracene (Note 2)
51 28 5	< 1.2 µg/l	<1.2 µg/l Note 1			1.00	2 4 dinitrofenol (Note 2)
91 20 3	<0.2 µg/l	<0.3 µg/l Note 1			1.00	naphtalene (Note 2)
98 75 3	<0.2 µg/l	<0.2 µg/l Note 1			1.00	nitrobenzene (Note 2)
88 75 5	<0.2 µg/l	<0.2 µg/l Note 1			1.00	2 nitrofenol (Note 2)
100 02 7	< 1 µg/l	<1 µg/l Note 1			1.00	4 nitrofenol (Note 2)
50 37 8	<0.2 µg/l	<0.2 µg/l Note 1			1.00	benzopyrene (Note 2)
	<0.2 µg/l	<0.2 µg/l Note 1			1.00	o cresol (Note 2)
59 50 7	<0.2 µg/l	<0.2 µg/l Note 1			1.00	mp cresol (Note 2)
	24 mg/l	22.8 mg/l			1.00	TOC (Note 2)
	0.111 mg/l	0.129 mg/l			1.00	surfactants (Note 2)
	0.012 mg/l	0.010 mg/l			1.00	cyanide (Note 2)
108 95 2	0.030 mg/l	0.012 mg/l			1.00	phenols (Note 2)
	<0.01 mg/l				1.00	residual chlorine (Note 2)
		<0.3 µg/l Note 1			1.00	benzene (Note 2)
		<0.2 µg/l Note 1			1.00	ethylbenzene (Note 2)
		<0.2 µg/l Note 1			1.00	toluene (Note 2)
		<0.5 µg/l Note 1			1.00	mp xylene (Note 2)
		<0.2 µg/l Notel			1.00	o xylene (Note 2)
	40 PtCo				1.00	color (Note 2)
						Note 1- Results for these parameter
						were not detected.
						Sample for screening purposes only.
						Note 2- Erosion from channels and
						traffic and contact stormwaters

Part D – Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1. Date of Storm Event	2. Duration of Storm Event *(in minutes)*	3. Total rainfall during storm event *(in inches)*	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event *(gallons/minute or specify units)*	6. Total flow from rain event *(gallons or specify units)*
4/28/11 4/5/11	20 min 30 min	0.68 in 0.04 in	>72 h >72 h	200 gpm (recirculate) 200 gpm (recirculate)	no discharge no discharge

7. Provide a description of the method of flow measurement or estimate.

A flowmeter is available but was not used during this sampling. The small outfall pump was activated and the effluent recycled within the WWTP system.

5

ATTACHMENT 5

Please print or type in the unshaded areas only.

EPA ID Number (*copy from Item 1 of Form 1*)

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

FORM 2F NPDES

U.S. Environmental Protection Agency
Washington, DC 20460

Application for Permit to Discharge Storm Water Discharges Associated with Industrial Activity

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 28.6 hours per application, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate, any other aspect of this collection of information, or suggestions for improving this form, including suggestions which may increase or reduce this burden to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, NW, Washington, DC 20460, or Director, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

I. Outfall Location

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. Outfall Number (*list*)	B. Latitude			C. Longitude			D. Receiving Water (*name*)
002	18.00	2.00	57.96	65.00	51.00	14.56	Caño Santiago

II. Improvements

A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

1. Identification of Conditions, Agreements, Etc.	2. Affected Outfalls		3. Brief Description of Project	4. Final Compliance Date	
	number	source of discharge		a. req.	b. proj.
Refer to Consent Decree			Improvements have been completed. Refer		
in Attachment 12			to most recent Progress Report		
			(Attachment 11)		

B. You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

III. Site Drainage Map

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfalls(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage of disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which received storm water discharges from the facility.

Continued from the Front

IV. Narrative Description of Pollutant Sources

A. For each outfall, provide an estimate of the area (include units) of imperious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface *(provide units)*	Total Area Drained *(provide units)*	Outfall Number	Area of Impervious Surface *(provide units)*	Total Area Drained *(provide units)*
002	46.7 acres	58.4 Acres			

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas, and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

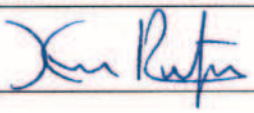
A SWPPP is implemented at this site (Attachment 10). No significant materials are stored or managed on Outfall 002 drainage areas. Any application of pesticides or herbicides used on site are applied in accordance to manufactures recommendations. Proper management in this areas focuses on the removal of accumulated debris in the channels and leaf retention structures to reduce solids reaching the Flood Control Pond.

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
002	Under normal conditions the runoff of the non contact areas of Outfall 002 are received by the East and West Channels that drain into the Flood Control Pond. The channels have sediment traps and gabions to retain solids and promote oxygenation. Leaf retention structures and retention basins are installed in erosion prone areas to reduce TSS reaching the FCP. A SWPPP is implemented (Attachment 10).	1-T 4-A

V. Nonstormwater Discharges

A. I certify under penalty of law hat the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges, and that all nonstormwater discharged from these outfall(s) are identified in either an accompanying Form 2C or From 2E application for the outfall.

Name and Official Title *(type or print)*	Signature	Date Signed
Hans Rutzen, Operations Director		20/MAY/2011

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

A Conceptual Engineering Report prepared by ERM , from 2007 to 2009, and the annual evaluation conducted on November 2010, indicated that no non storm waters discharges (process waste waters and non-process waste waters as defined in the Instructions-Form2F, Application for Permit to Discharge Storm Water Associated with Industrial Activity, Who must file Form 2F) reach Outfall 002.

VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

No significant spills or leaks in the last three years.

Continued from Page 2

EPA ID Number *(copy from Item 1 of Form 1)*
PR0000400 Outfall 002

VII. Discharge Information

A, B, C, & D: See instructions before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided. Table VII-A, VII-B, VII-C are included on separate sheets numbers VII-1 and VII-2.

E. Potential discharges not covered by analysis – is any toxic pollutant listed in table 2F-2, 2F-3, or 2F-4, a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

☐ Yes (*list all such pollutants below*) ☑ No (*go to Section IX*)

VIII. Biological Toxicity Testing Data

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ Yes (*list all such pollutants below*) ☑ No (*go to Section IX*)

IX. Contract Analysis Information

Were any of the analyses reported in Item VII performed by a contract laboratory or consulting firm?

☑ Yes (*list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below*) ☐ No (*go to Section X*)

A. Name	B. Address	C. Area Code & Phone No.	D. Pollutants Analyzed
Environmental Quality Laboratories	PO Box 11845 San Juan PR 00910-1845	(787) 288-2840	All parameters in this application

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Official Title (*Type Or Print*)	B. Area Code and Phone No.
Hans Rutzen, Operations Director	(787) 893-2424
C. Signature	D. Date Signed
	20/MAY/2011

EPA ID Number (*copy from Item 1 of Form 1*)
PR0000400 Outfall 002

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

VII. Discharge information *(Continued from page 3 of Form 2F)*

Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant and CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite		
Oil and Grease	2.3	N/A			1.00	Erosion from channels and traffic
Biological Oxygen Demand (BOD5)	10	7			1.00	Vegetation/Debris
Chemical Oxygen Demand (COD)	51	44			1.00	Debris
Total Suspended Solids (TSS)	7 *				1.00	Erosion from channels and traffic
Total Nitrogen						
Total Phosphorus	0.15 *				1.00	Soil
pH	Minimum 6.81	Maximum 7.64	Minimum	Maximum		

Part B – List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite		
						Not Applicable

(*) TSS & Phosphorus - are results for the sampling event dated 12/18/10.

Continued from the Front

Part C - List each pollutant shown in Table 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite		
	30 PtCo	30 PtCo			1.00	Color (Soil)
	10.9 mg/l	9.9			1.00	TOC (Soil/Debris)
	<0.05 mg/l	0.06			1.00	Ammonia (Debris) (Note 2)
	0.12 mg/l	0.12			1.00	Residual Chlorine (Clean & Wash)
71 43 2	<0.3 ug/l	<0.3			1.00	Benzene (Note 1)
100 41 4	<0.2 ug/l	<0.2			1.00	Ethylbenzene (Note 1)
	<0.2 ug/l	<0.2			1.00	Toluene (Note 1)
	<0.5 ug/l	<0.5			1.00	mp Xylene (Note 1)
	<0.2 ug/l	<0.2			1.00	o Xylene (Note 1)
						Note 1: Results for these parameters
						were not detected.
						Sample for screening purposes only.
						Note 2: Results for these parameters
						were below detectable limit.
						Sample for screening purposes only.

Part D – Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

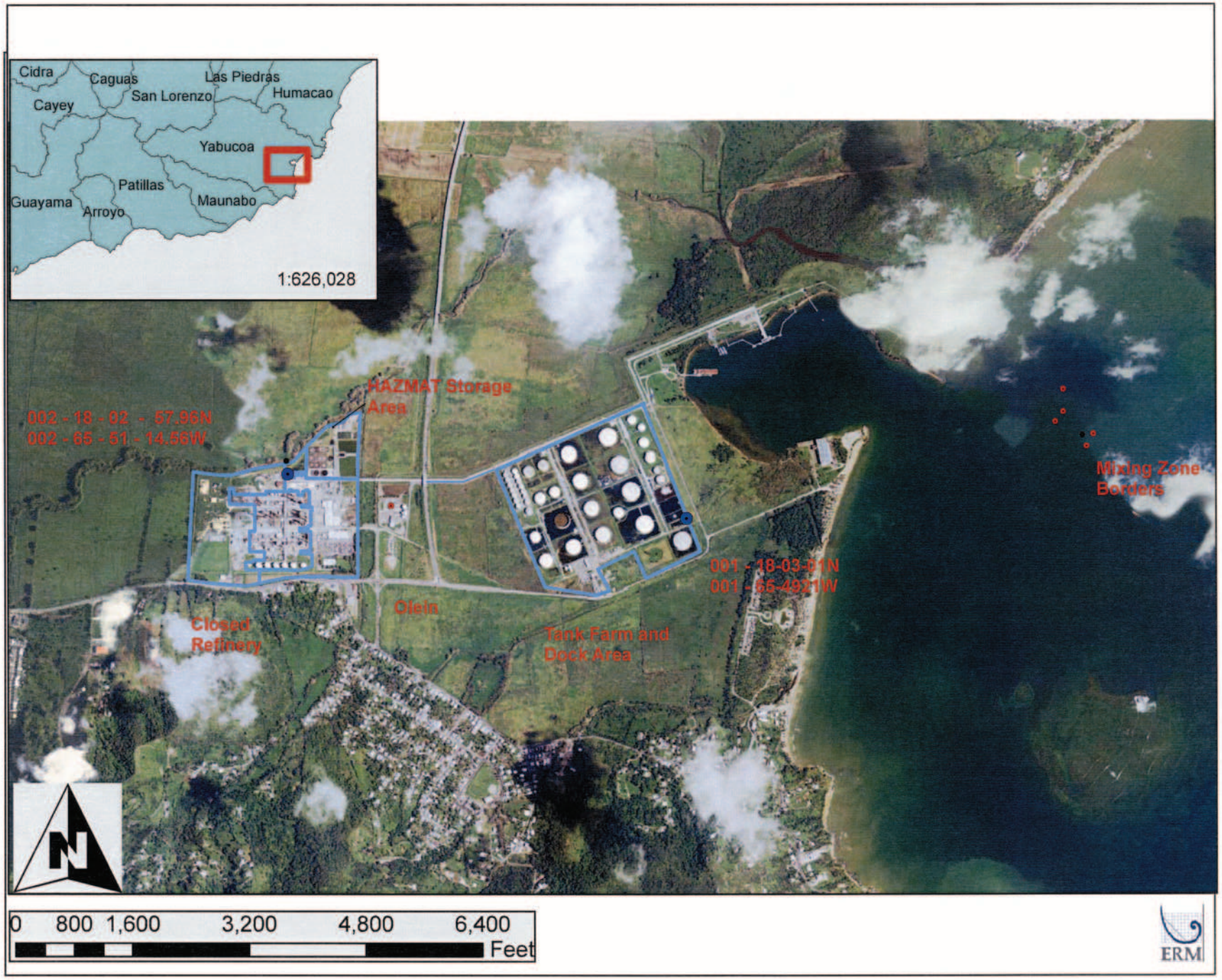
1. Date of Storm Event	2. Duration of Storm Event *(in minutes)*	3. Total rainfall during storm event *(in inches)*	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event *(gallons/minute or specify units)*	6. Total flow from rain event *(gallons or specify units)*
12/08/10	400 min	2.86	276h	4,309 gpm	1,810,000 gal
5/2/11	300 min	0.80	96h	100 gpm, recirculating	no discharge

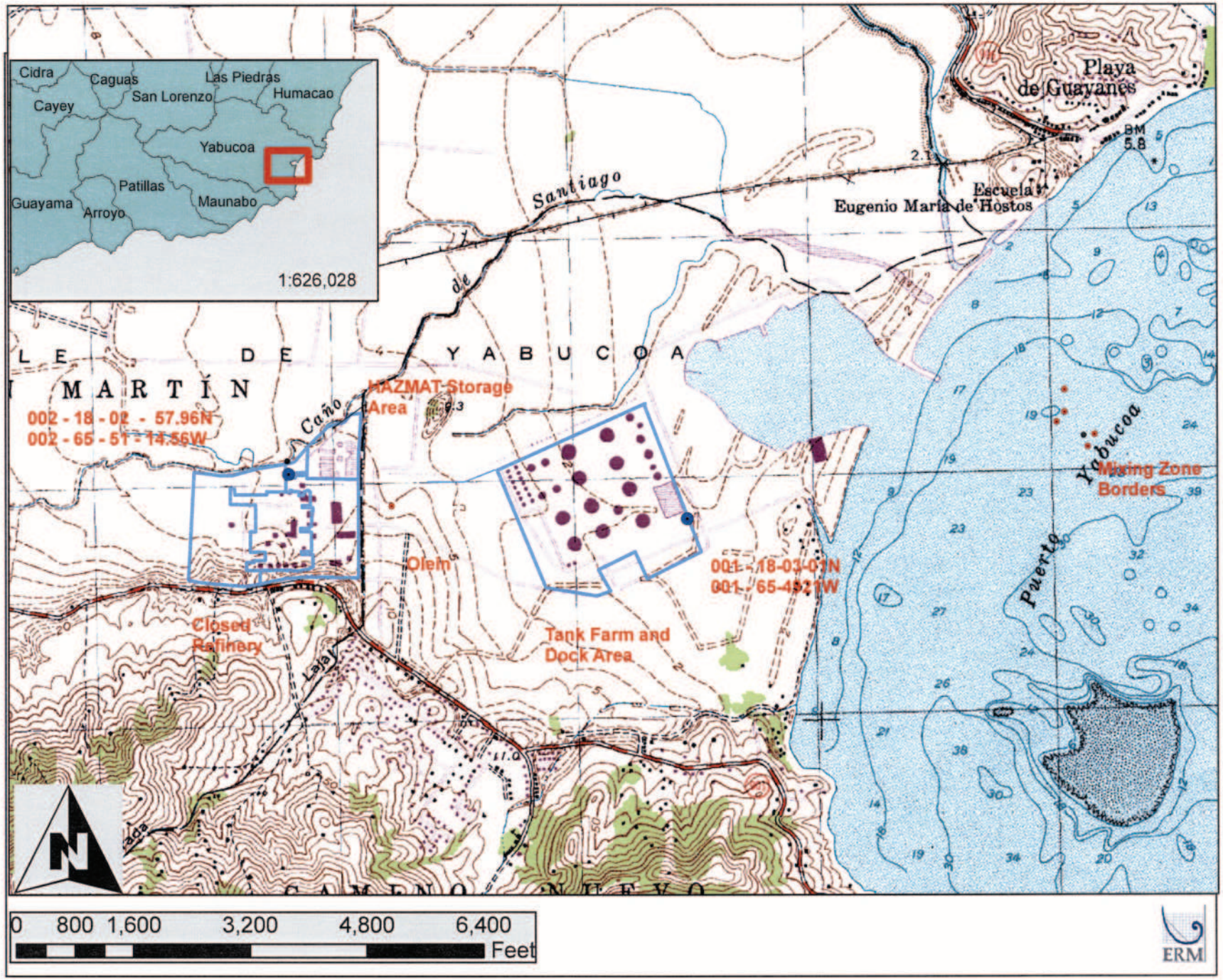
7. Provide a description of the method of flow measurement or estimate.

December 8, 2010 - for this stormwater event a flow meter was used.

May 2, 2011 - Sample collected with the activation of P-005-10 and recycled to the WWTP. Flow estimated based on pump capacity and valve opening.

ATTACHMENT 6


Cidra
Caguas
Las Piedras
San Lorenzo
Humacao
Cayey
Yabucoa
Patillas
Maunabo
Guayama
Arroyo
1:626,028
HAZMAT Storage Area
002 - 18 - 02 - 57.96N
002 - 65 - 51 - 14.56W
Mixing Zone Borders
001 - 18-03-01N
001 - 65-4921W
Olein
Closed Refinery
Tank Farm and Dock Area
N
0 800 1,600 3,200 4,800 6,400
Feet
ERM


Cidra
Caguas
Las Piedras
San Lorenzo
Humacao
Cayey
Yabucoa
Patillas
Guayama
Arroyo
Maunabo
1:626,028
Playa de Guayanes
Escuela Eugenio María de Hostos
Santiago
Caño
HAZMAT Storage Area
002 - 18 - 02 - 57.96N
002 - 65 - 51 - 14.56W
Olein
001 - 18-03-01N
001 - 65-4921W
Closed Refinery
Tank Farm and Dock Area
Mixing Zone Borders
Yabucoa
Puerto
0 800 1,600 3,200 4,800 6,400
Feet
ERM

LEGEND:

- DITCH
- STORM WATER PIPE
- SUB-BASIN
- FLOW DIRECTION
- SCAFFOLDING AREA
- (A) SCAFFOLDING AREA
- (B) CAPITOL CONTRACTOR AREA
- (C) ELECTRICAL TRANSFORMERS
- (D) PRAXAIR
- (E) CONTACT AREA
- (F) LOAD / UNLOAD

NO.	REMARKS	DATE	BY	APPVD
A	ISSUED FOR APPROVAL			

REVISIONS

ERM - P.R., INC.

BUCKEYE CARIBBEAN TERMINALS LLC

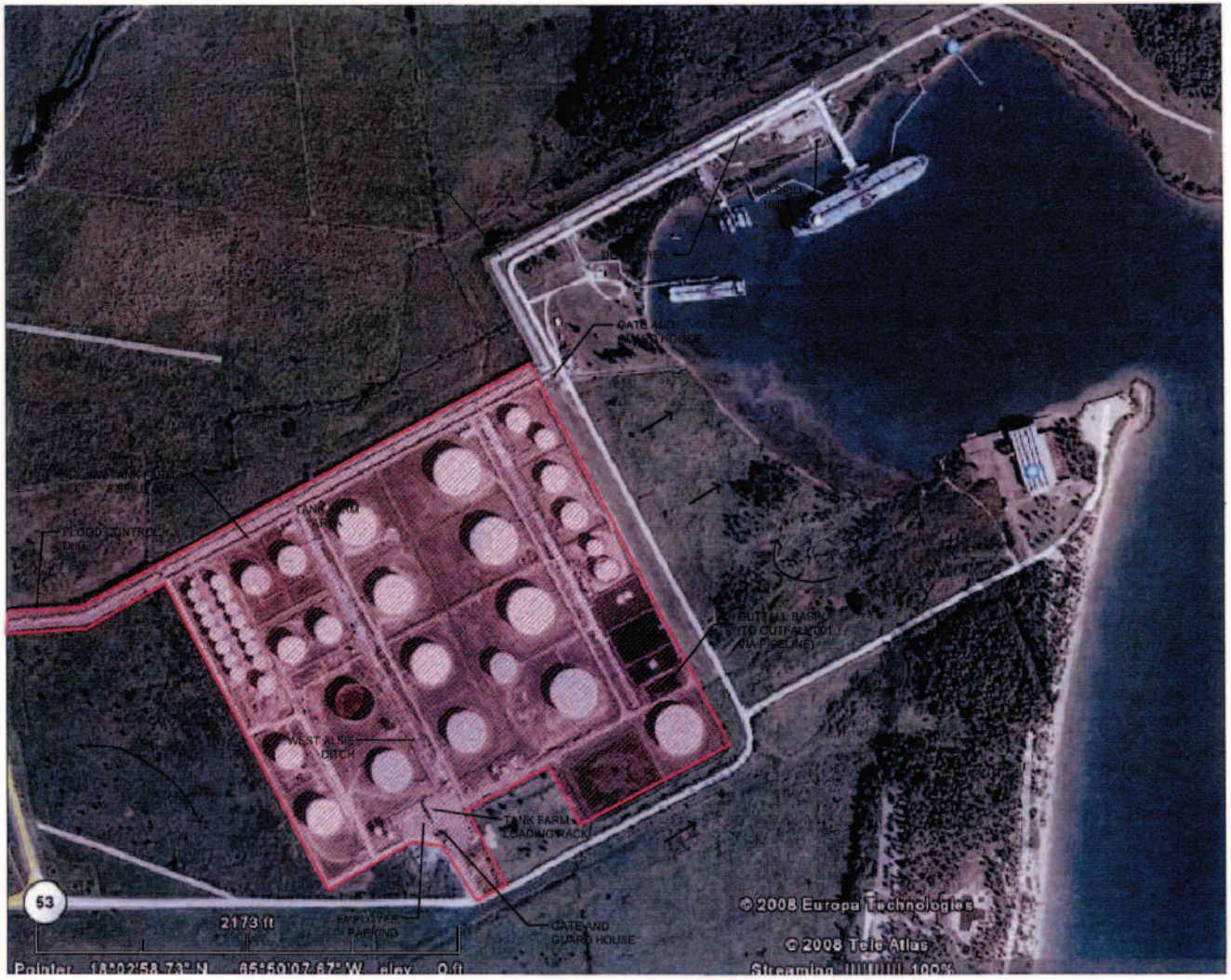
PROJ. ENG.: N. MARRERO	DATE: 07/11/08	CHECKER:	PROJECT MGR.:
DRAWN BY: A.PEREZ SOSA	DATE: 07/11/08	PLOT SCALE: N.T.S.	FILENAME: DRAINAGE AREAS

DRAWING TITLE: STORM WATER DRAINAGE MAP OUTFALLS 001 AND 002

DWG. NO.: DA-01

PROJECT: STORM WATER DRAINAGE AREAS

SHEET NO.: 1 OF 2



NO	REMARKS	DATE	BY	APPVD
A	ISSUED FOR APPROVAL			

REVISIONS

ERM - P.R., INC.

BUCKEYE CARIBBEAN TERMINALS LLC

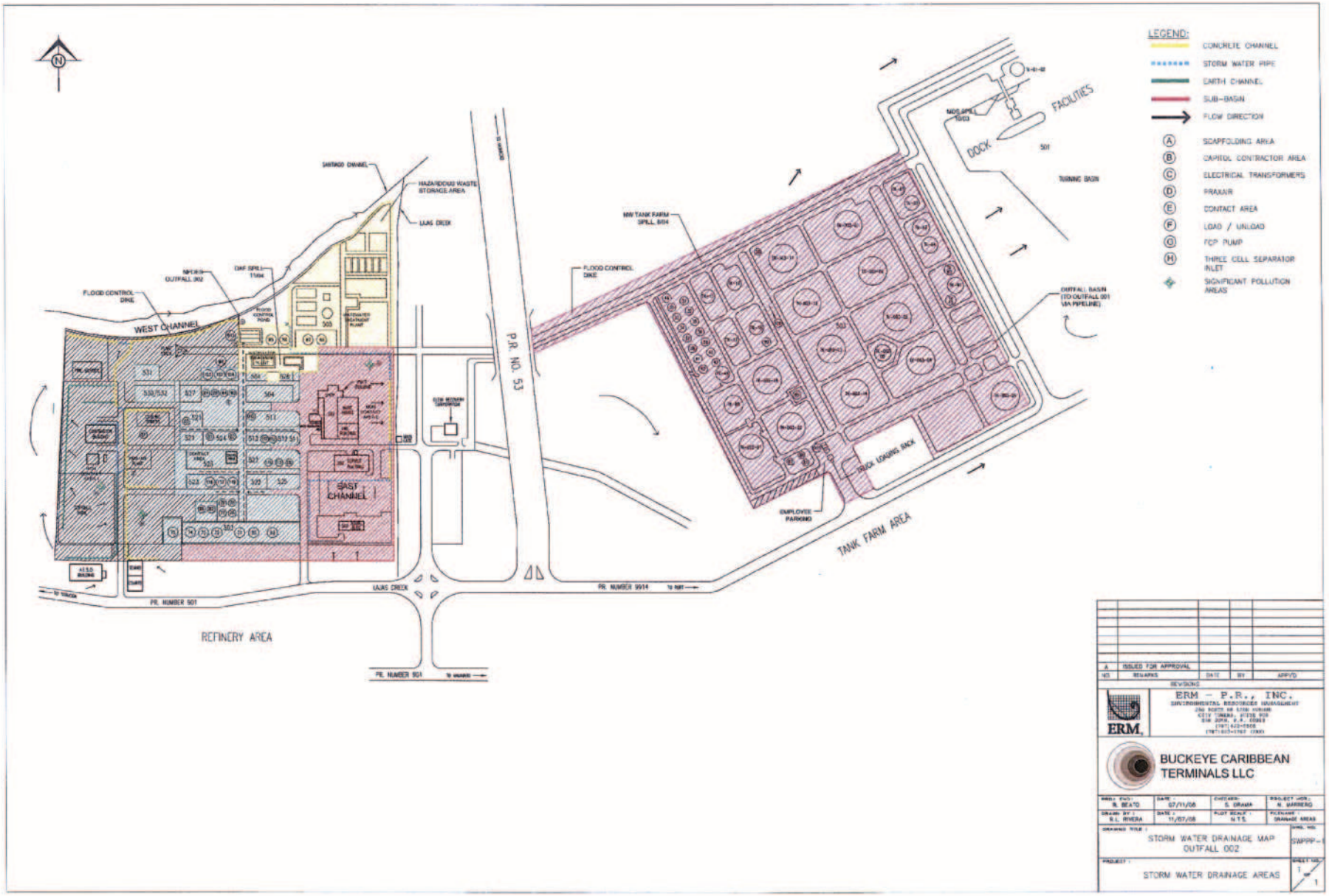
N. MARRERO	07/11/08		
A.PEREZ SOSA	07/11/08	N.T.S.	DRAINAGE AREAS

STORM WATER DRAINAGE MAP
OUTFALL 001 TANK FARM AREA

DWG. NO. DA-02

PROJECT: STORM WATER DRAINAGE AREAS

SHEET NO. 2 OF 2


LEGEND:
CONCRETE CHANNEL
STORM WATER PIPE
EARTH CHANNEL
SUB-BASIN
FLOW DIRECTION
A SCAFFOLDING AREA
B CAPITOL CONTRACTOR AREA
C ELECTRICAL TRANSFORMERS
D PRAXAIR
E CONTACT AREA
F LOAD / UNLOAD
G FCP PUMP
H THREE CELL SEPARATOR INLET
SIGNIFICANT POLLUTION AREAS
SANTIAGO CHANNEL
HAZARDOUS WASTE STORAGE AREA
LAJAS CREEK
NPDES OUTFALL 002
DAF SPILL TANK
FLOOD CONTROL DIKE
WEST CHANNEL
EAST CHANNEL
P.R. NO. 53
NW TANK FARM SPILL 8014
FLOOD CONTROL DIKE
NDS SPILL TANK
DOCK
FACILITIES
501
TURNING BASIN
OUTFALL BASIN (TO OUTFALL 001 VIA PIPELINE)
TRUCK LOADING RACK
EMPLOYEE PARKING
TANK FARM AREA
PR. NUMBER 901
LAJAS CREEK
PR. NUMBER 9914
REFINERY AREA
PR. NUMBER 901
A ISSUED FOR APPROVAL
NO. REMARKS DATE BY APP'D
REVISIONS
ERM - P.R., INC.
ENVIRONMENTAL RESOURCES MANAGEMENT
BUCKEYE CARIBBEAN TERMINALS LLC
R. BEATO 07/11/08 S. GRAHAM N. MARRERO
G.L. RIVERA 11/07/08 N/S STORM WATER DRAINAGE AREAS
STORM WATER DRAINAGE MAP
OUTFALL 002
SWPPP-
STORM WATER DRAINAGE AREAS
1 1

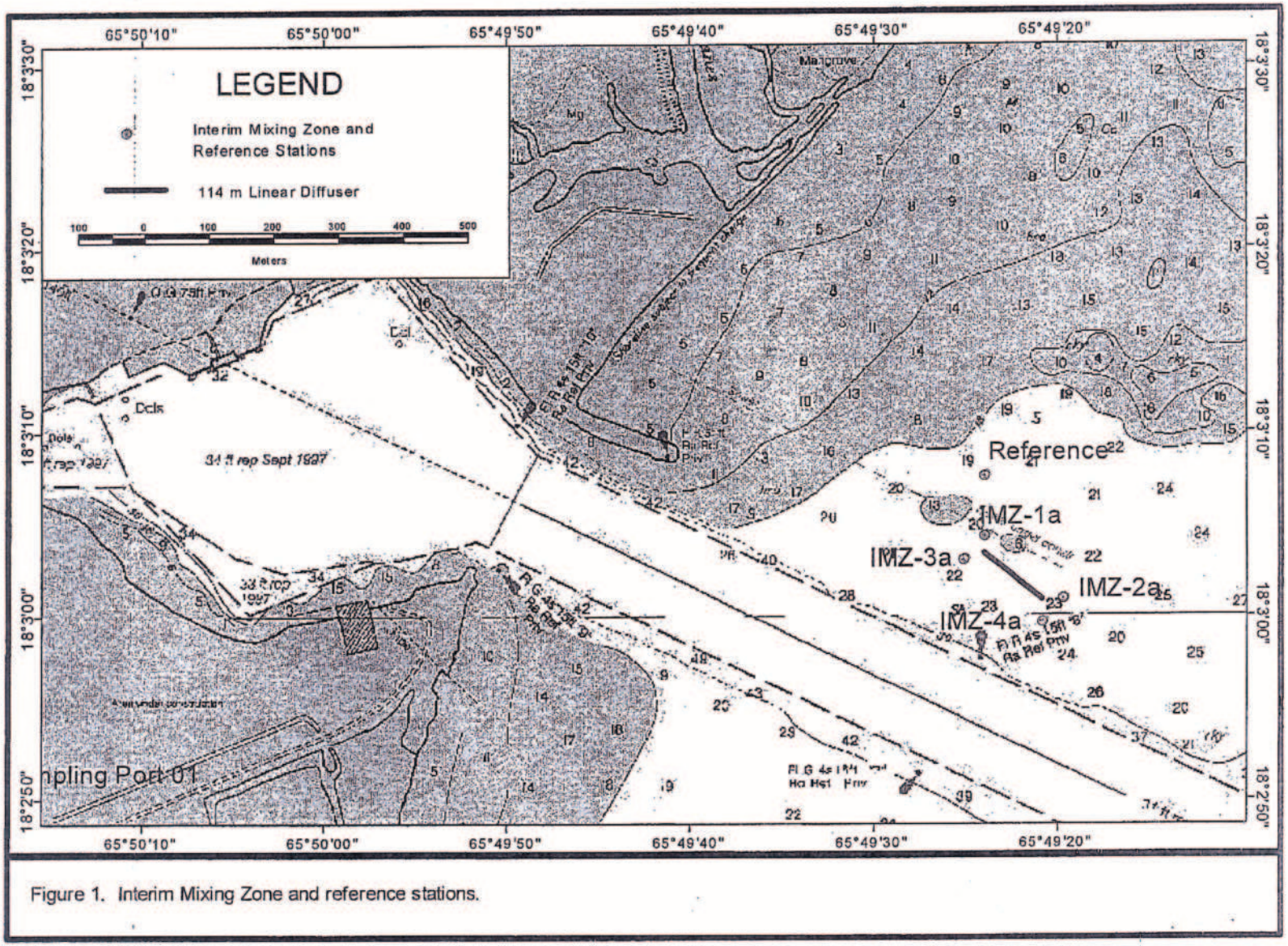
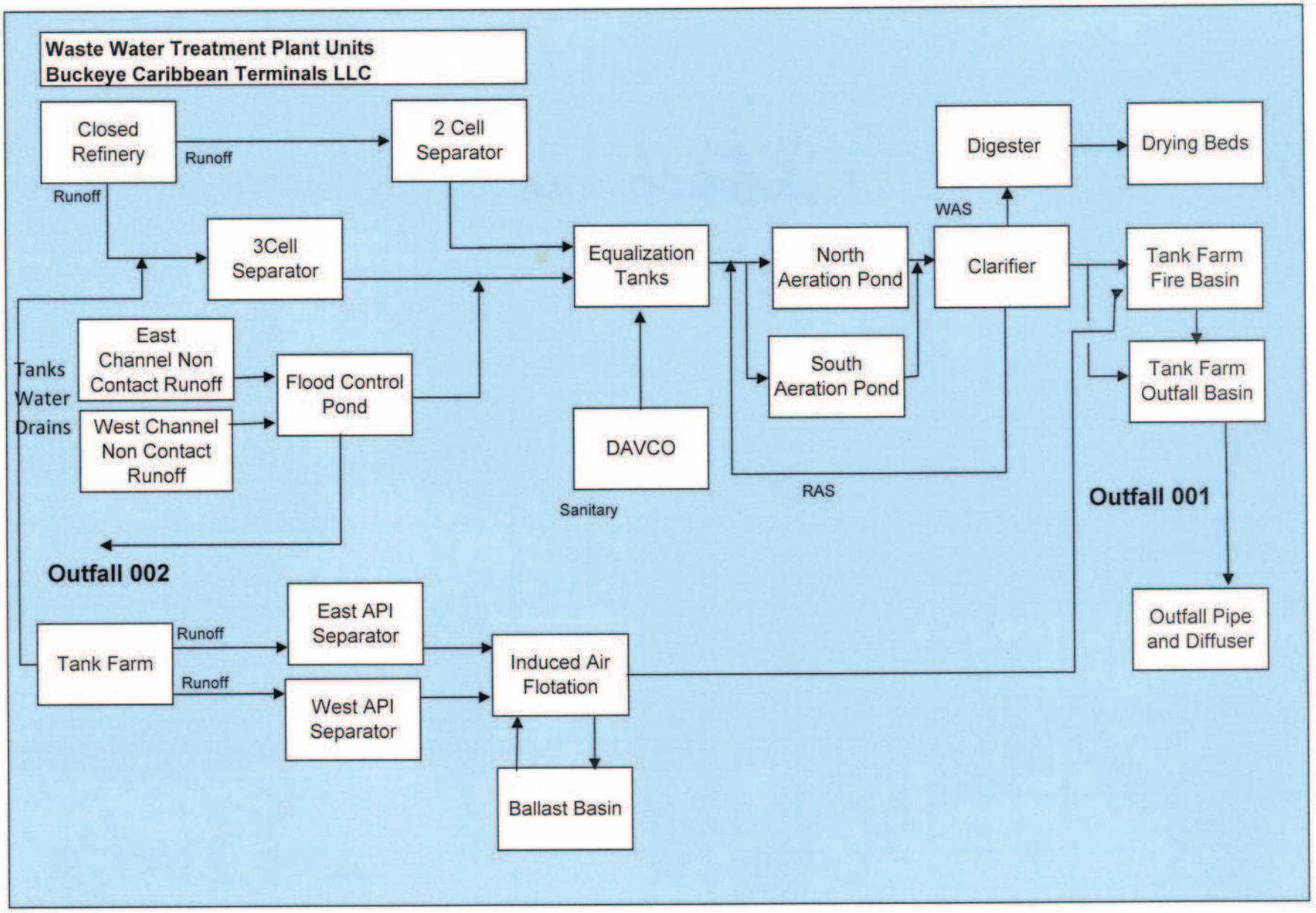
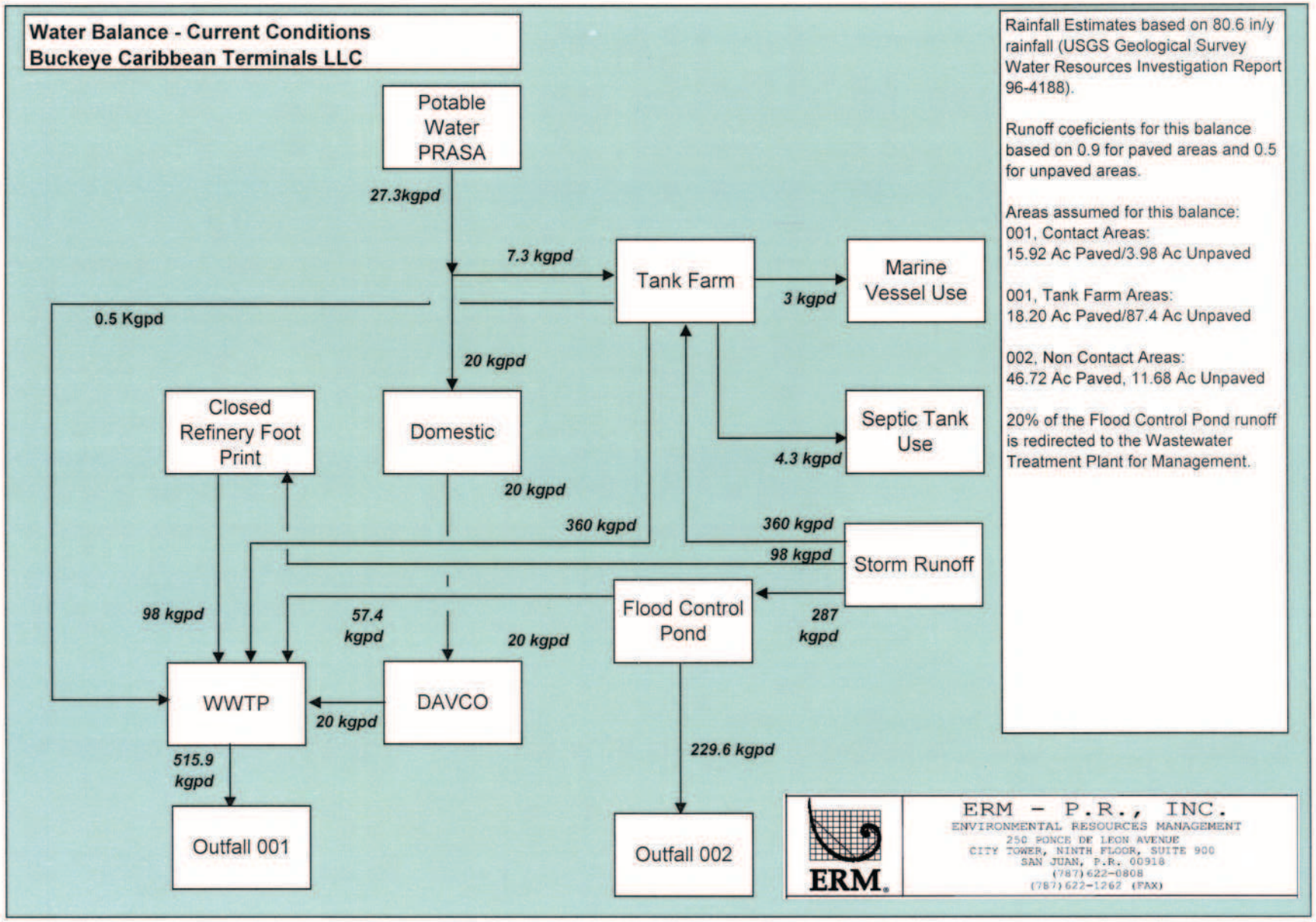


Figure 1. Interim Mixing Zone and reference stations.

ATTACHMENT 7


Waste Water Treatment Plant Units
Buckeye Caribbean Terminals LLC
Closed Refinery
Runoff
2 Cell Separator
Runoff
3Cell Separator
Digester
Drying Beds
WAS
Equalization Tanks
North Aeration Pond
Clarifier
Tank Farm Fire Basin
Tanks Water Drains
East Channel Non Contact Runoff
West Channel Non Contact Runoff
Flood Control Pond
South Aeration Pond
Tank Farm Outfall Basin
DAVCO
Sanitary
RAS
Outfall 001
Outfall 002
Outfall Pipe and Diffuser
Tank Farm
Runoff
Runoff
East API Separator
West API Separator
Induced Air Flotation
Ballast Basin

ATTACHMENT 8


Water Balance - Current Conditions
Buckeye Caribbean Terminals LLC
Potable Water PRASA
27.3kgpd
7.3 kgpd
Tank Farm
3 kgpd
Marine Vessel Use
0.5 Kgpd
20 kgpd
Closed Refinery Foot Print
Domestic
4.3 kgpd
Septic Tank Use
20 kgpd
360 kgpd
360 kgpd
98 kgpd
Storm Runoff
98 kgpd
57.4 kgpd
20 kgpd
Flood Control Pond
287 kgpd
WWTP
20 kgpd
DAVCO
229.6 kgpd
515.9 kgpd
Outfall 001
Outfall 002
Rainfall Estimates based on 80.6 in/y rainfall (USGS Geological Survey Water Resources Investigation Report 96-4188).
Runoff coeficients for this balance based on 0.9 for paved areas and 0.5 for unpaved areas.
Areas assumed for this balance:
001, Contact Areas:
15.92 Ac Paved/3.98 Ac Unpaved
001, Tank Farm Areas:
18.20 Ac Paved/87.4 Ac Unpaved
002, Non Contact Areas:
46.72 Ac Paved, 11.68 Ac Unpaved
20% of the Flood Control Pond runoff is redirected to the Wastewater Treatment Plant for Management.
ERM
ERM - P.R., INC.
ENVIRONMENTAL RESOURCES MANAGEMENT
250 PONCE DE LEON AVENUE
CITY TOWER, NINTH FLOOR, SUITE 900
SAN JUAN, P.R. 00918
(787)622-0808
(787)622-1262 (FAX)